

PUBLIC NOTICE

PERMIT APPLICATION: NRS # 05.003

APPLICANT: City of Mt. Juliet
Department of Public Works
P.O. Box 679
Mt. Juliet, TN 37122
615-654-2554

LOCATION: Two unnamed tributaries to Cedar Creek along Nonaville Road, Cedar Creek Drive, Spring Valley Drive and Paradise Drive
Wilson County

WATERSHED DESCRIPTION: Cedar Creek is located in the Cumberland River watershed (HUC 0513020104) and its upper reaches are fully supporting the designated water quality uses (fish and aquatic life, recreation, livestock watering and wildlife, irrigation). The two tributaries involved have intermittent flow (all dry on 7/2/2004) and are dominated by bedrock substrate in the lower reaches and boulder and large rock in the upper reaches. (Photos for crossings 1, 9 and 14 included on Internet version of this notice at <http://www.state.tn.us/environment/wpc/wpcppo/arap/>)

PROJECT DESCRIPTION: The purpose of this project is to expand sewer service for the City of Mt. Juliet for several existing neighborhoods and for future development. There will be fifteen stream crossings, two on a small tributary boarding Cedar Creek Drive, and the remaining 13 on a larger tributary between Nonaville Road and Paradise Drive. Crossings 1,2, 5 and 6b are both 8" gravity sewers and 8" force mains. Crossings 3, 7, 8, 9, 10, 11, 12 and 13 are 6" service lines. Crossings 4 and 6a are 8" gravity sewer lines. Crossing 14 is a 10" gravity sewer line. The alignment was designed for access to existing buildings and pump stations, minimal stream crossings and avoidance of large trees. The contractors are instructed to avoid blasting near the streams.

PERMIT COORDINATOR: Juliana W. Kyzar

USGS TOPOGRAPHIC QUADRANGLE: Hermitage 311NE

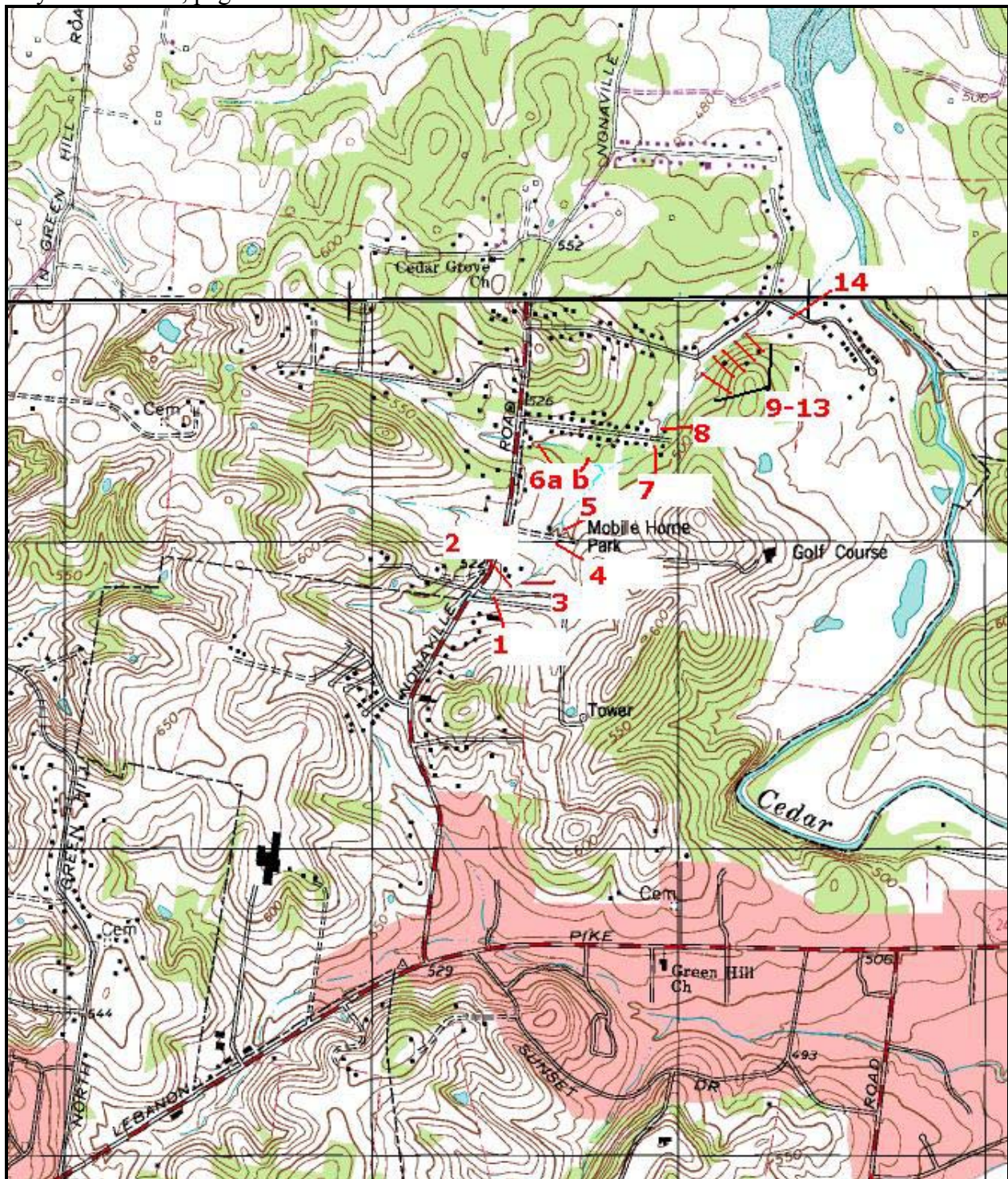
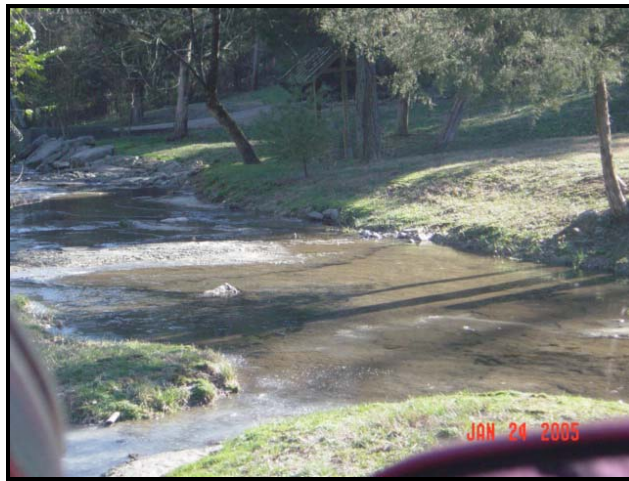


Figure 1: Topographic map with crossing points indicated



Photos 1-3: Sites of crossings 1, 9 and 14 (from top to bottom).

NOTE: THE CONTRACTOR'S ATTENTION IS DIRECTED TO THE FACT THAT EXPLOSIVE BLASTING OF TRENCHES SHALL NOT BE ALLOWED ON THIS PROJECT DUE TO CLOSE PROXIMITY OF RESIDENCES, STREAMS, EXISTING UTILITIES AND OTHER CONSIDERATIONS. TRENCH EXCAVATION, INCLUDING ROCK EXCAVATION, SHALL BE ACCOMPLISHED BY ROCK TRENCHERS, HOE-RAMS, AND ALTERNATE MEANS OTHER THAN THE USE OF EXPLOSIVES.

THIS NO BLASTING REQUIREMENT MAY BE WAIVED BY THE OWNER/ENGINEER IN SPECIFIC SITUATIONS SUCH AS DEEP CUTS IN AREAS REMOTE FROM EXISTING STRUCTURES AND EXISTING UTILITIES. THE CONTRACTOR MUST SPECIFICALLY REQUEST THIS WAIVER AND MUST DETAIL THE EXTENT OF BLASTING PROCEDURES DESIRED. IF THIS WAIVER IS GRANTED, THE OWNER/ENGINEER WILL ONLY ALLOW SELECTIVE "POP" SHOTS IN THE TRENCHES TO AN OPEN TRENCH FACE WITH ADEQUATE COVER AND MATTING.

Figure 1: Note to contractor from plan sheet 12

NOTE "A"

ON ALL SEWER CROSSINGS OF STREAM, SEWER LINE SHALL BE CONCRETE ENCASED, STREAM BOTTOM SHALL BE REPLACED WITH CONCRETE BOTTOM MINIMUM 8" THICK, STREAM BANKS SHALL BE STABILIZED WITH PLAIN STONE RIP-RAP, AND CONCRETE CHECK DAM SHALL BE INSTALLED ON THE SEWER LINE ON THE EACH SIDE OF THE STREAM.

SEE TYPICAL STREAM CROSSING DETAIL ON SHEET #26.

Figure 2: Stream Note A from plan sheet 12

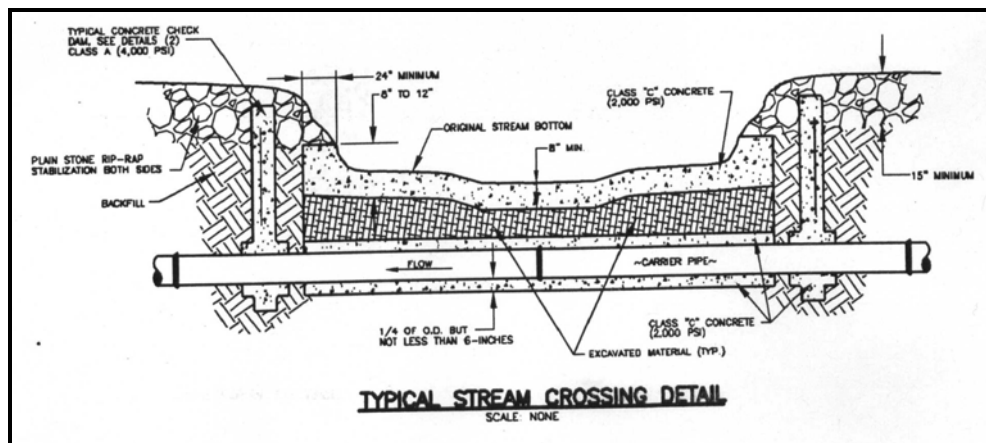


Figure 3: Typical stream crossing detail from plan sheet 26

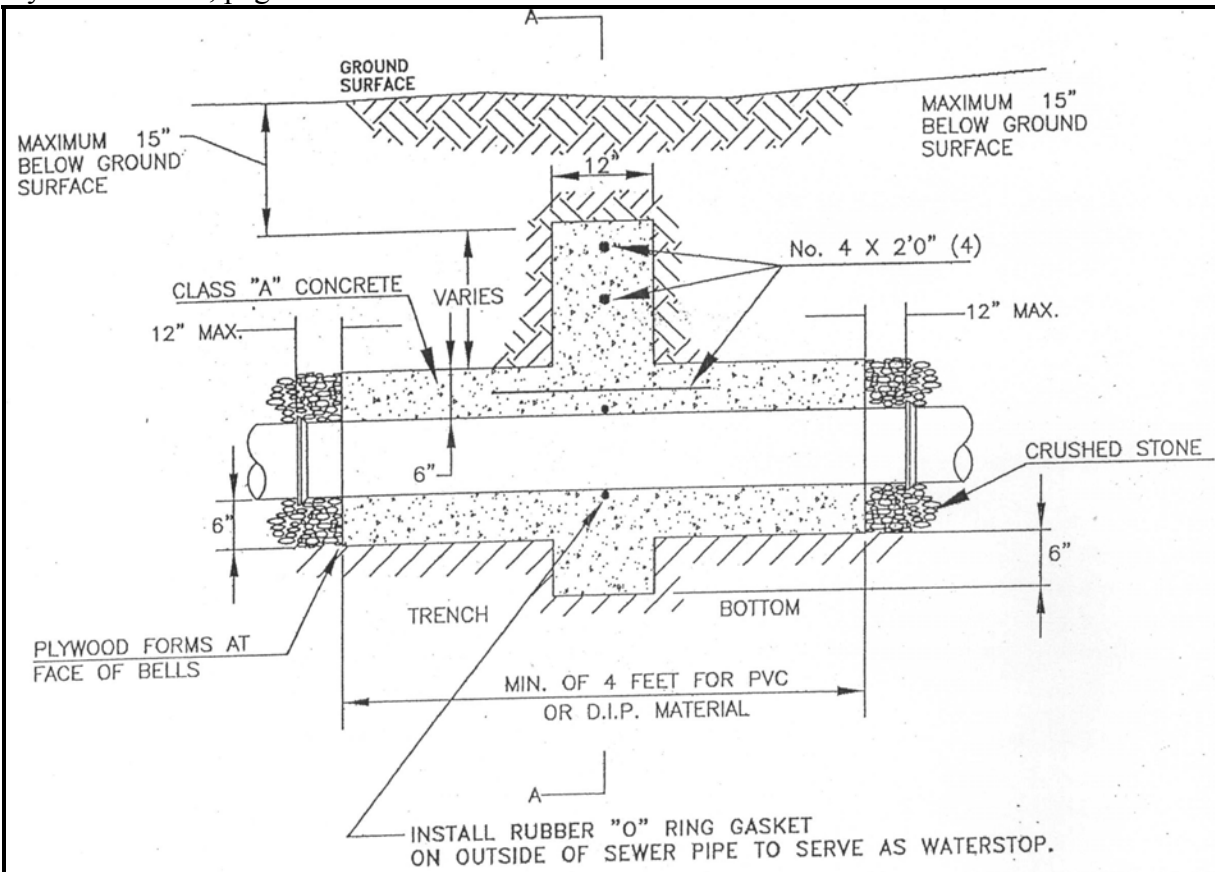
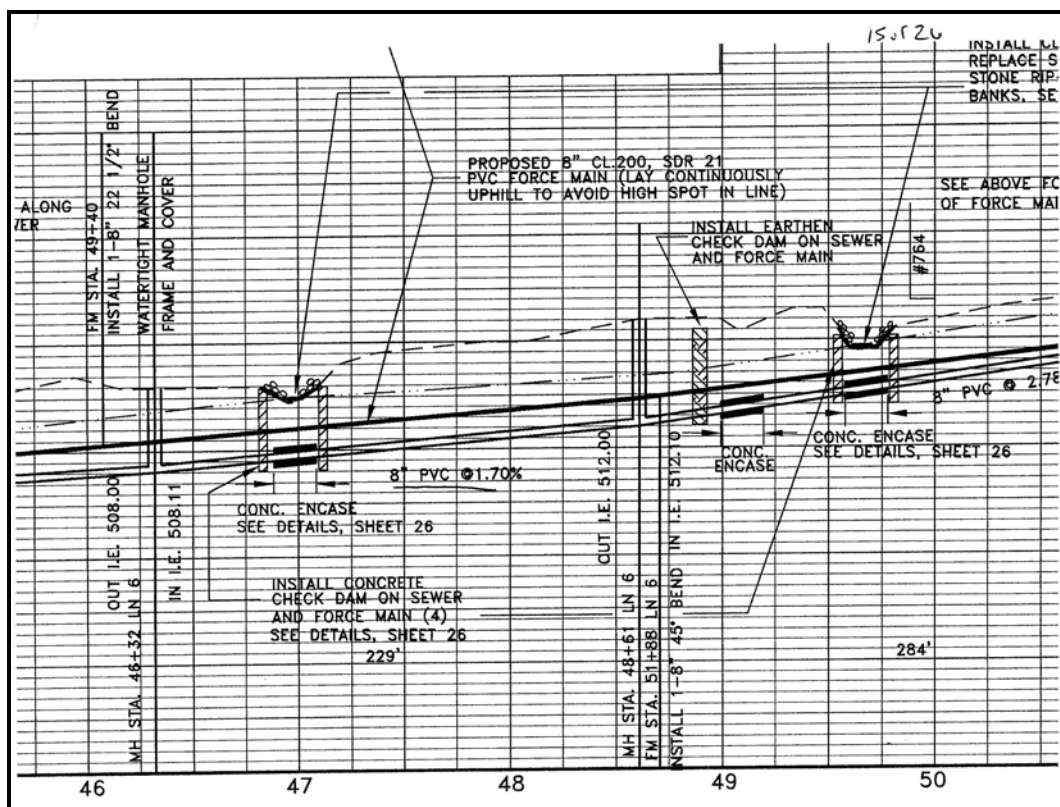
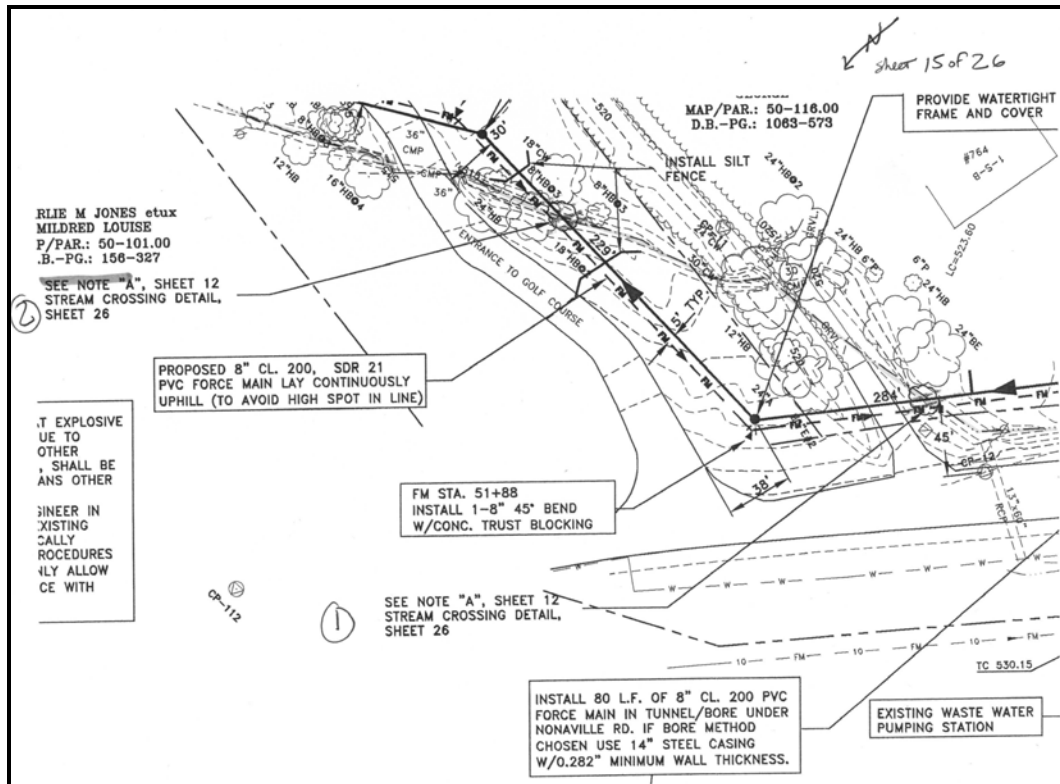


Figure 4: Concrete check dam detail from plan sheet 26



Figures 5a,b: Crossings 1 and 2 from plan sheet 15.

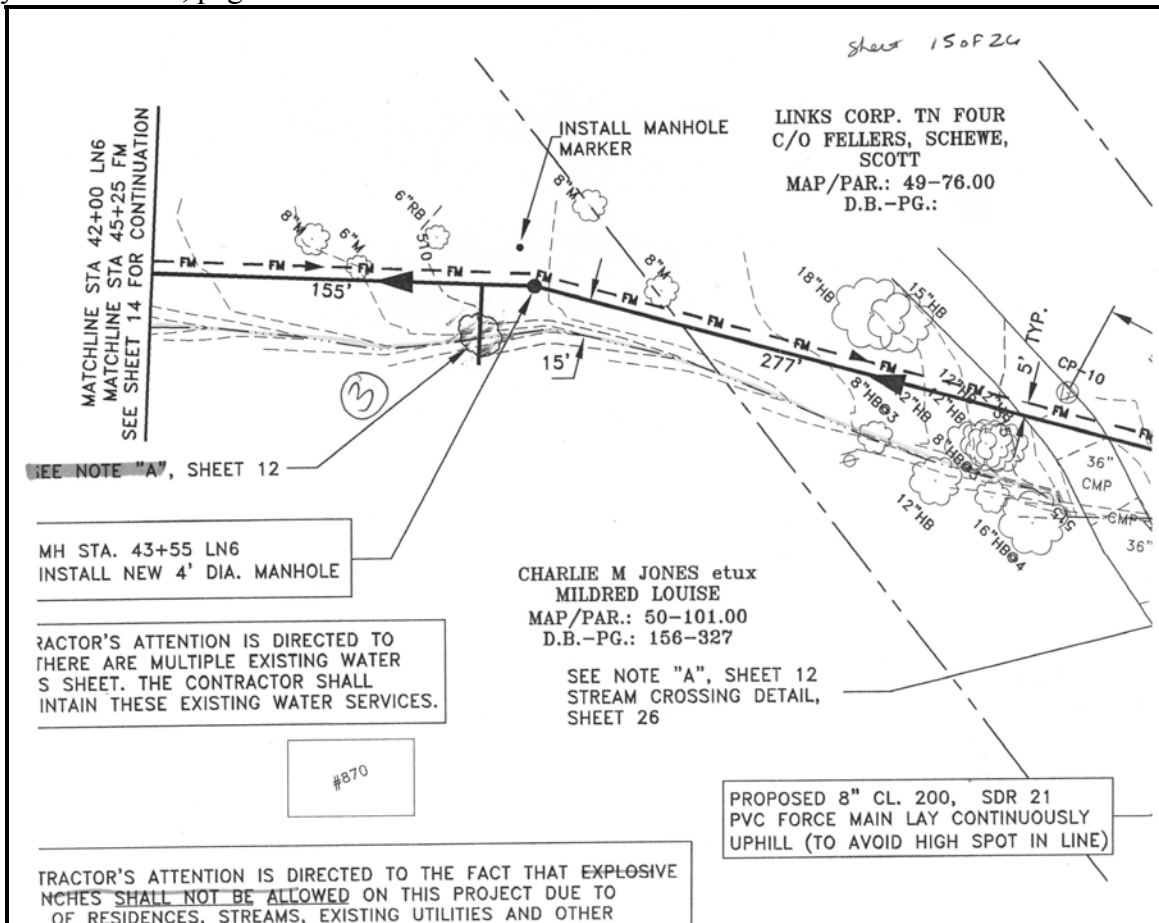
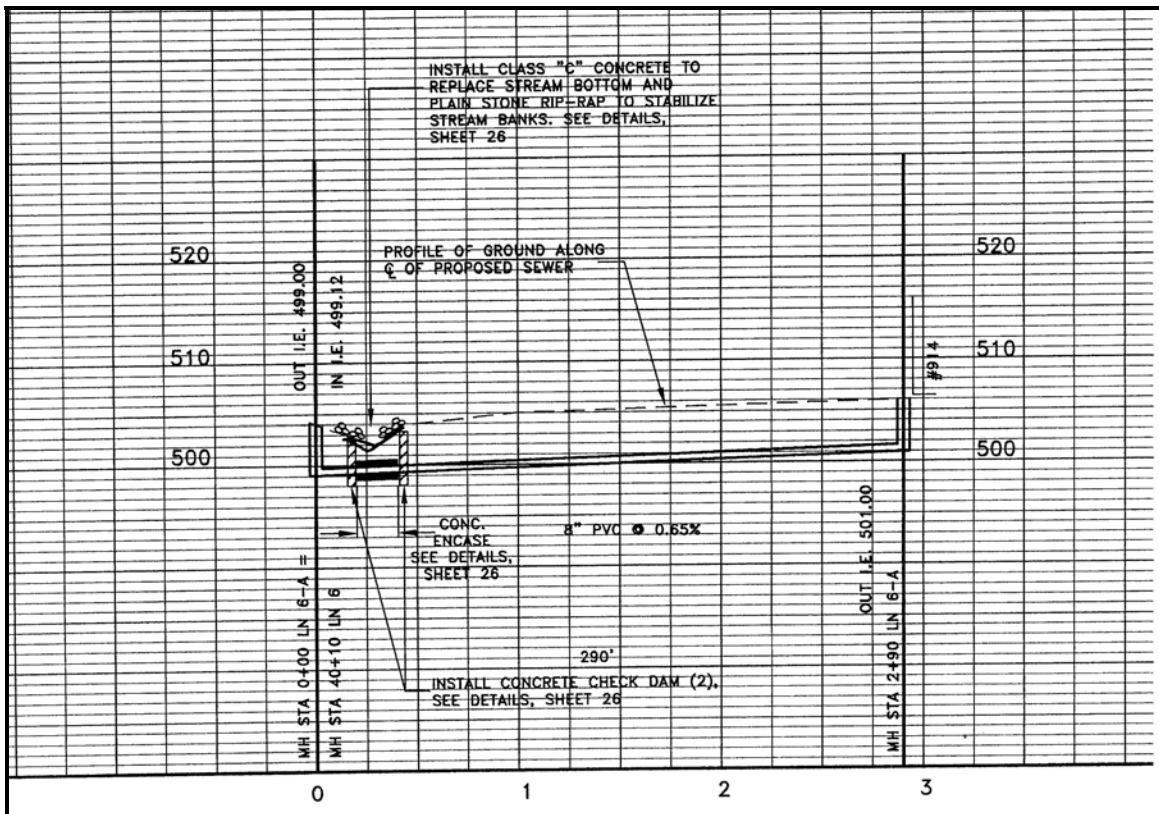
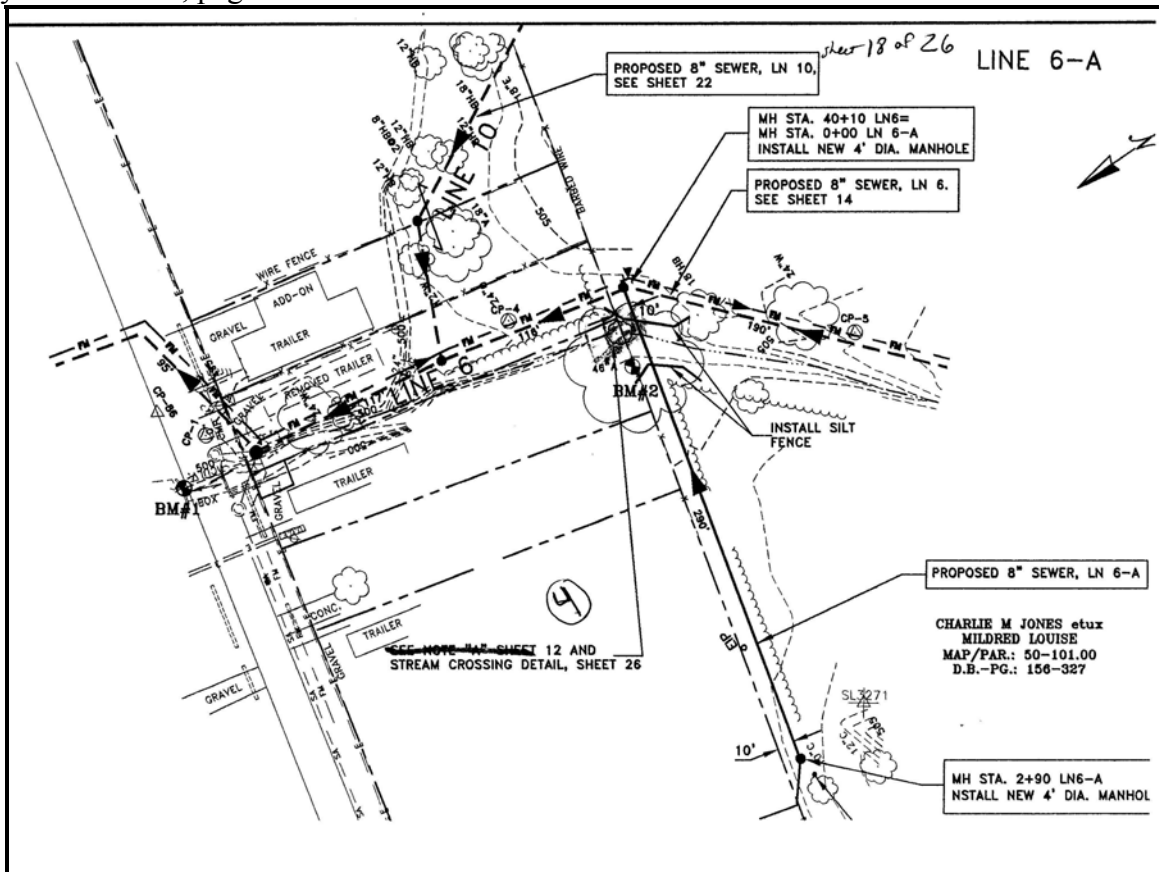
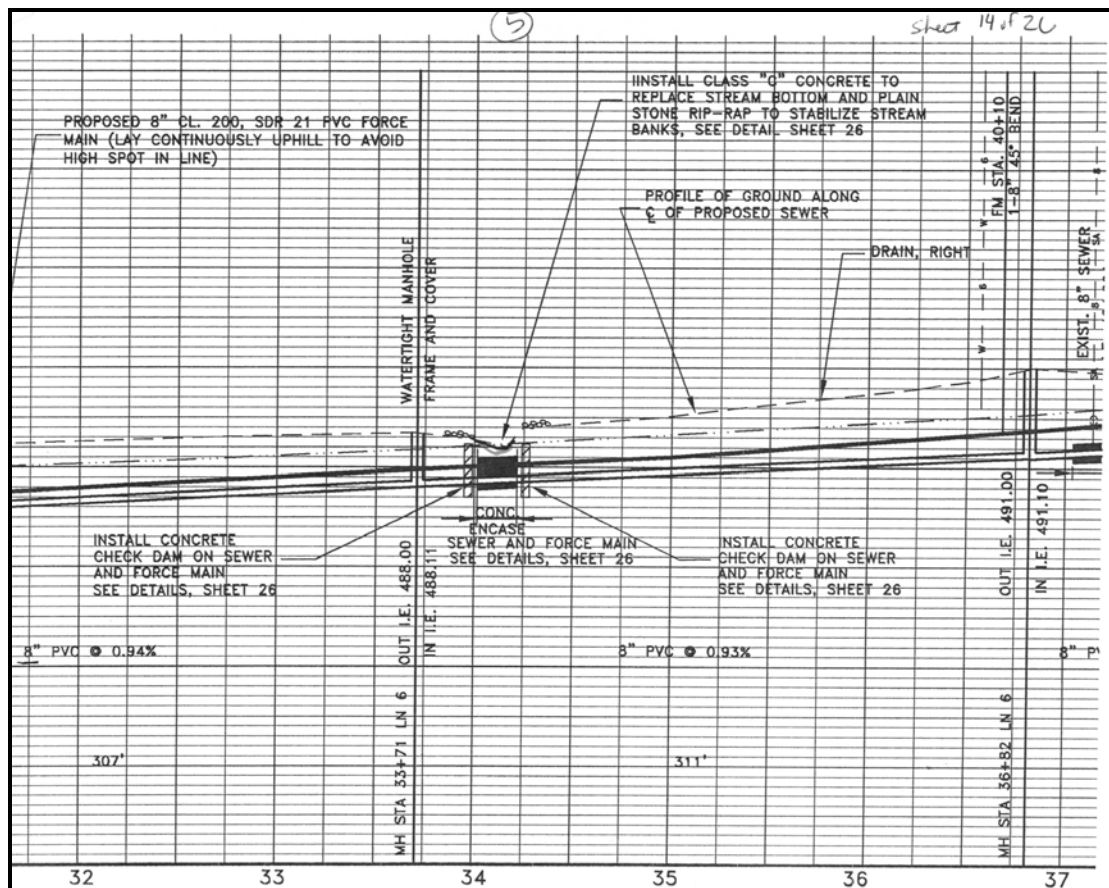
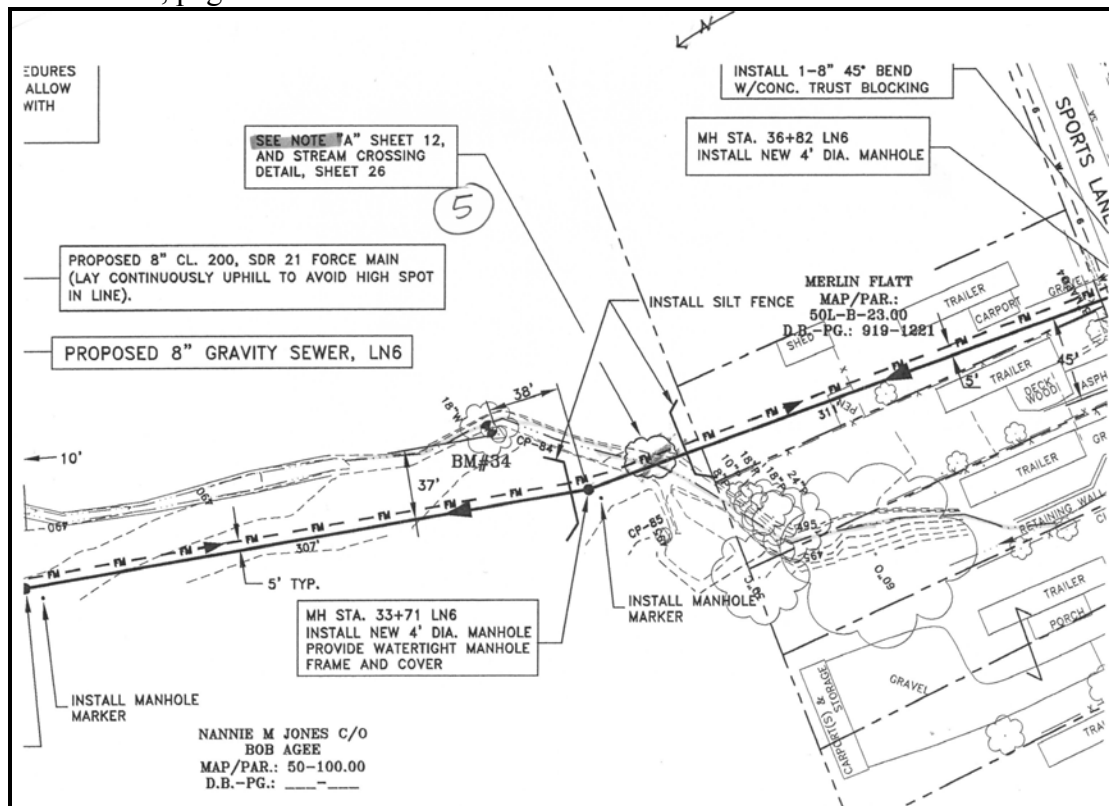


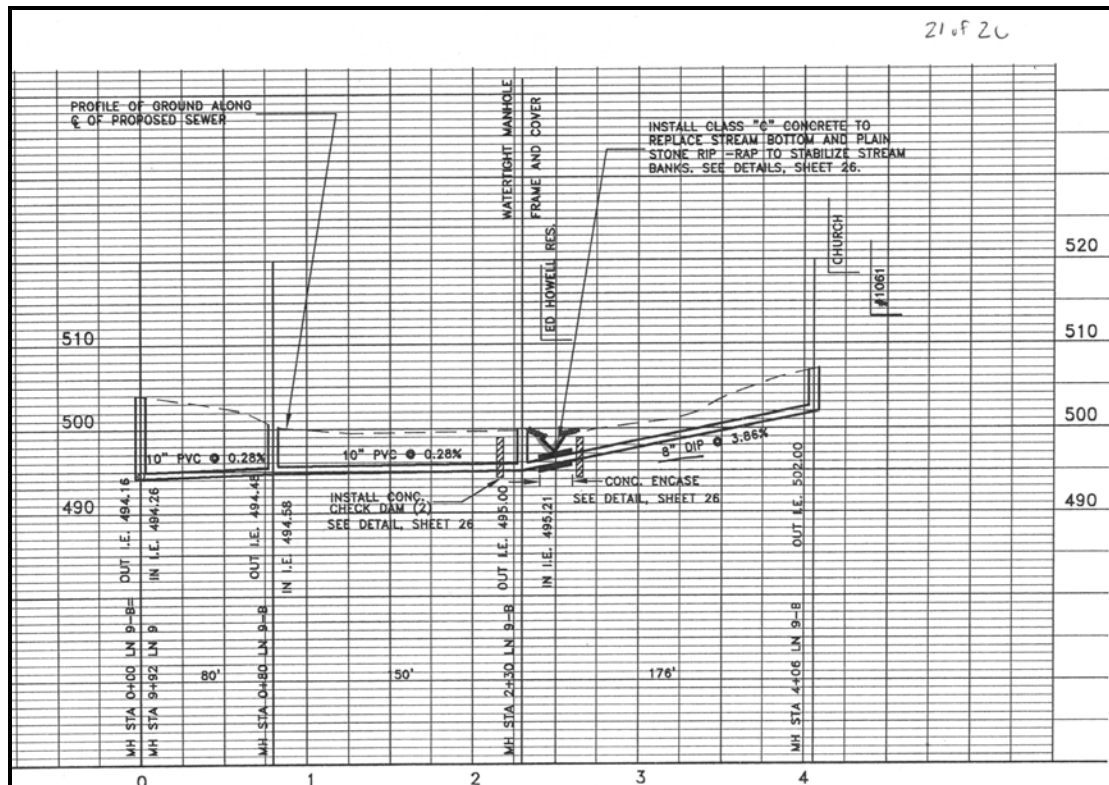
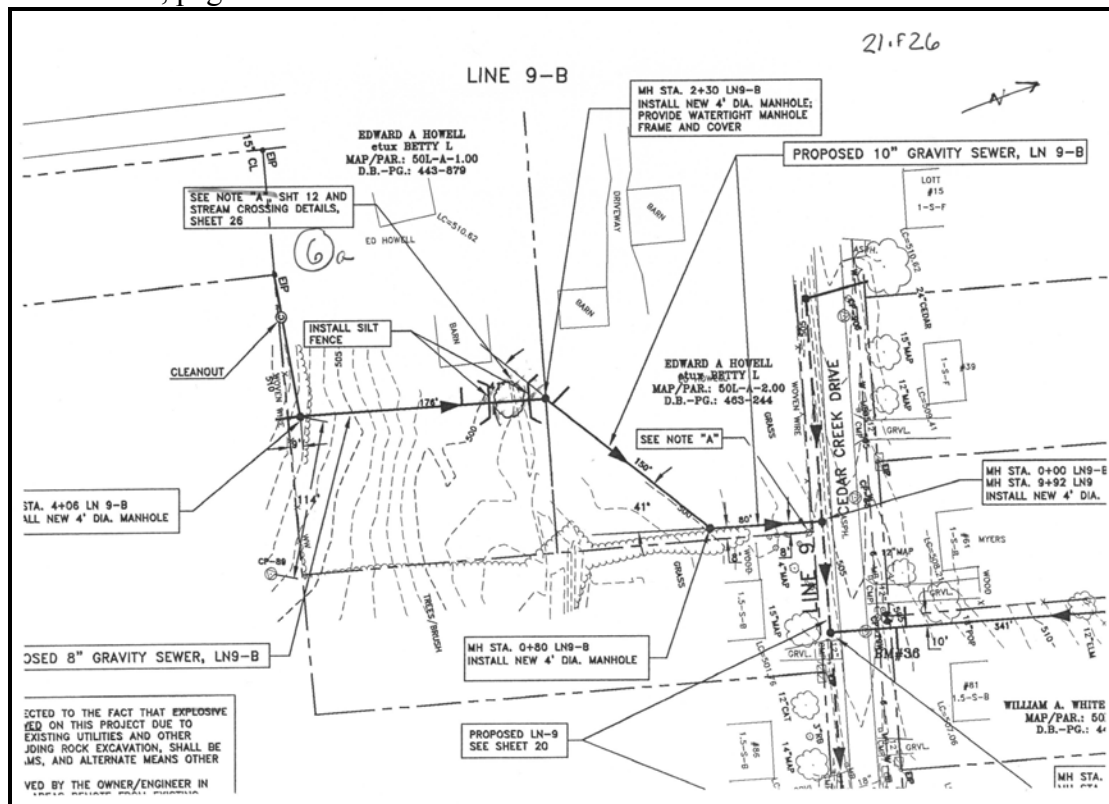
Figure 6: Crossing 3, a service line, from plan sheet 15.



Figures 7a,b: Crossing 4 from plan sheet 18.



Figures 8a,b: Crossing 5 from plan sheet 14.



Figures 9a,b: Crossing 6a from plan sheet 21.

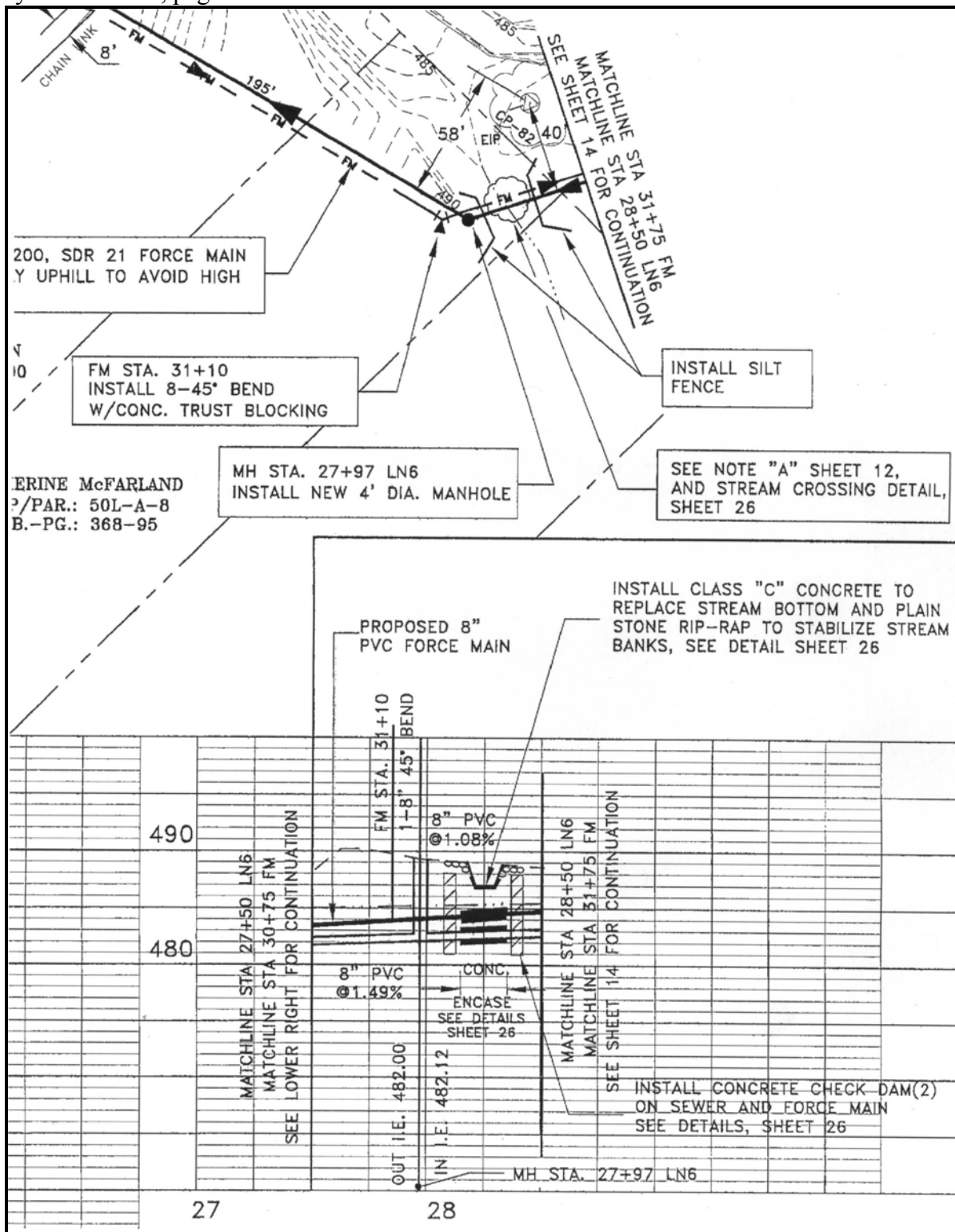


Figure 10: Crossing 6b from plan sheet 13.

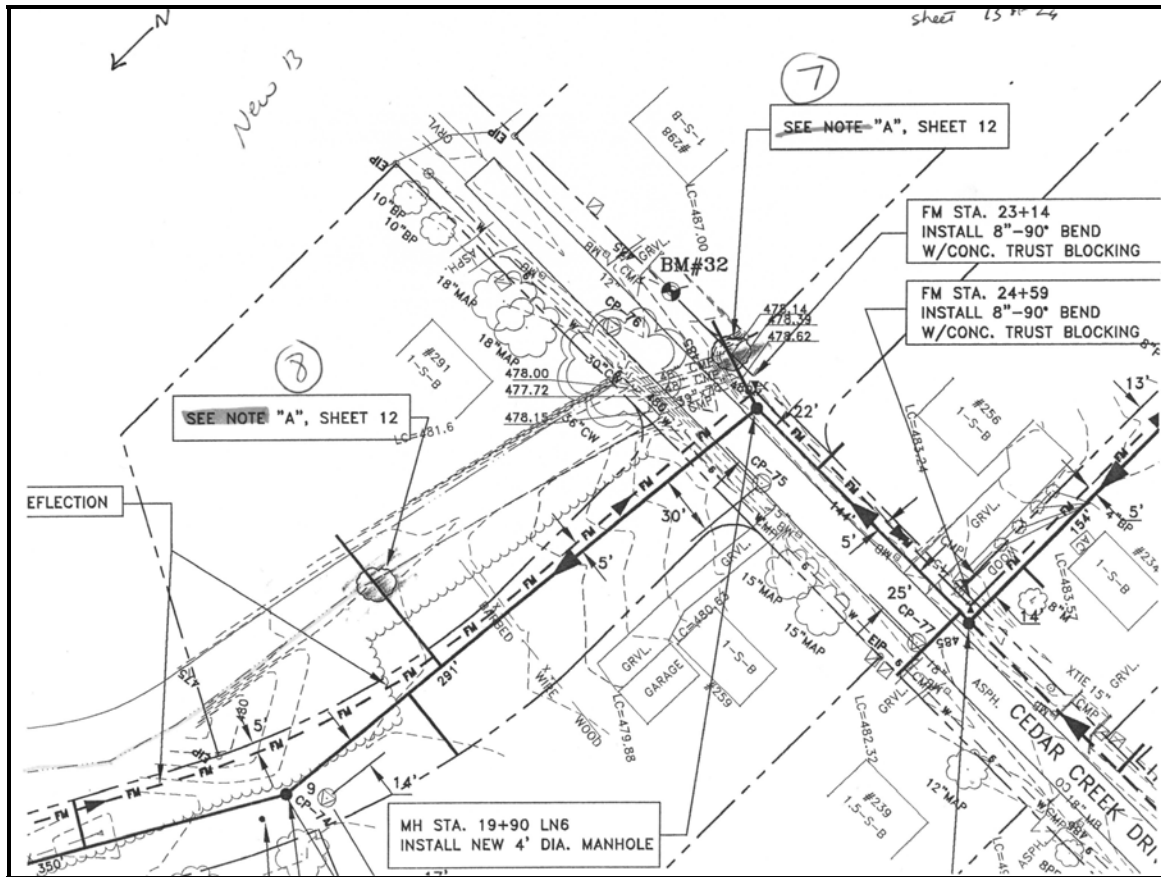
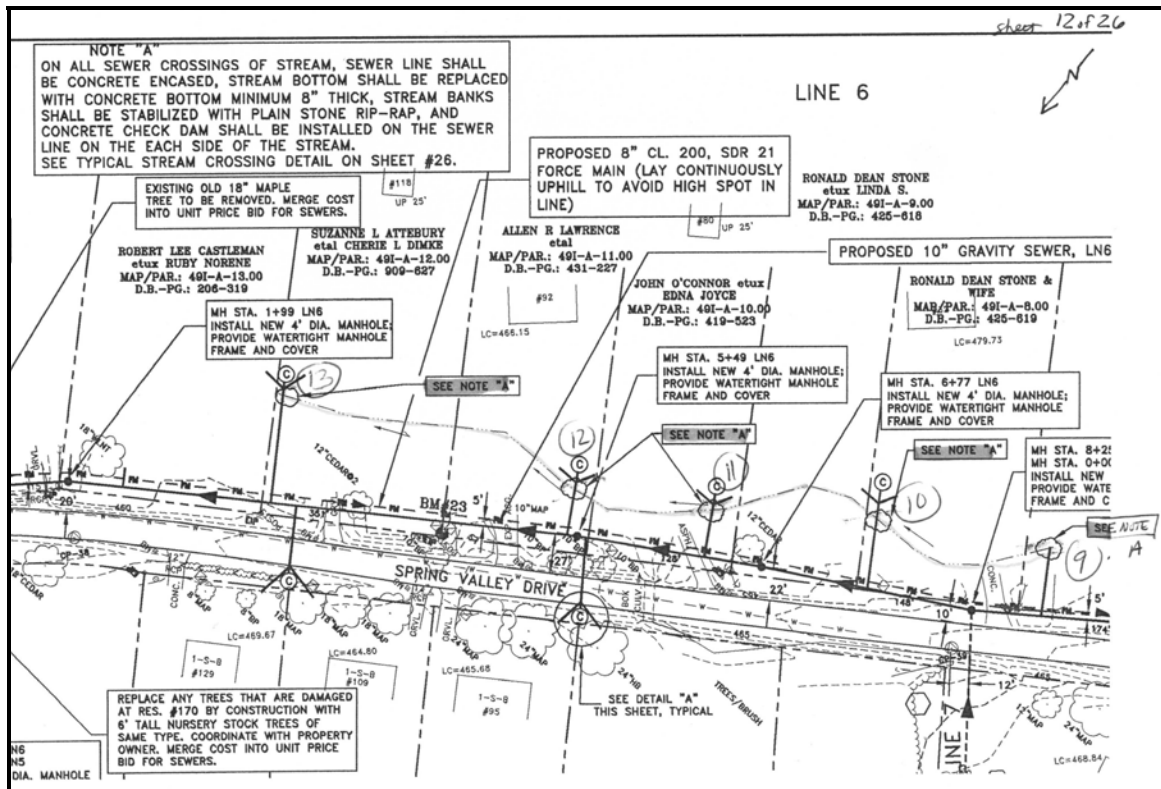
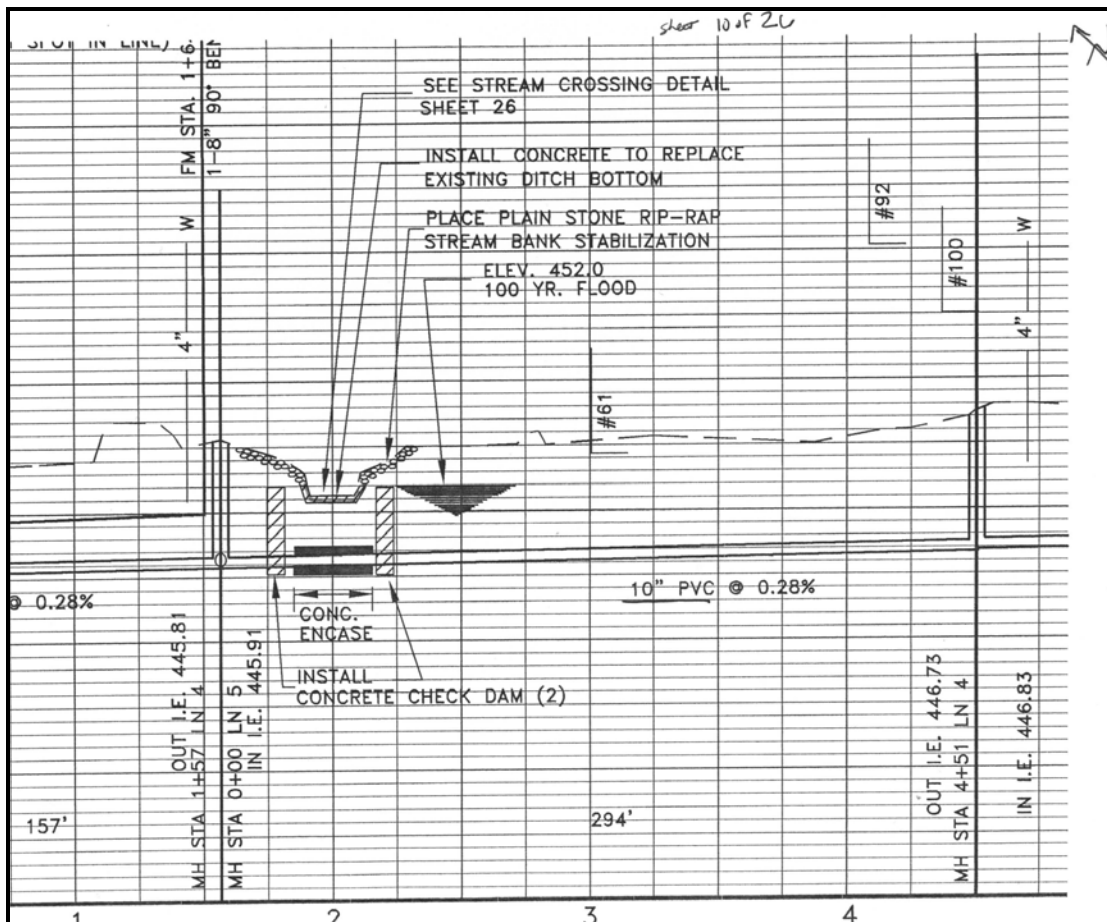
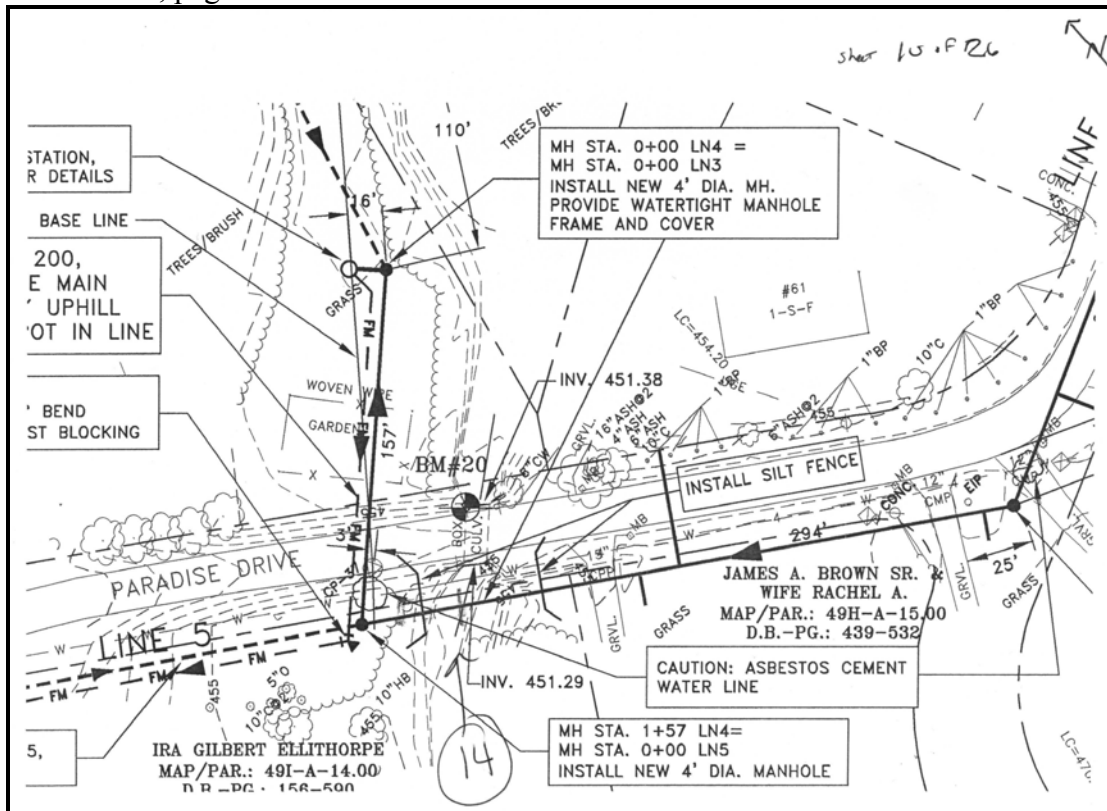


Figure 11: Crossings 7 & 8, service lines, from plan sheet 13.





Figures 13a,b: Crossing 14 from plan sheet 10.